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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/687,474	10/14/2003	Shahla C. Cisneros	PD-203019	8877
20991	7590	09/27/2010	EXAMINER	
THE DIRECTV GROUP, INC.			HARPER, TRAMAR YONG	
PATENT DOCKET ADMINISTRATION				
CA / LA1 / A109			ART UNIT	PAPER NUMBER
2230 E. IMPERIAL HIGHWAY			3714	
EL SEGUNDO, CA 90245				
MAIL DATE		DELIVERY MODE		
09/27/2010		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/687,474	CISNEROS ET AL.
	<b>Examiner</b>	<b>Art Unit</b>
	TRAMAR HARPER	3714

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 21 September 2010.
- 2a) This action is **FINAL**.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-14 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-14 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                         | Paper No(s)/Mail Date. _____ .                                    |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ . | 5) <input type="checkbox"/> Notice of Informal Patent Application |
|  | 6) <input type="checkbox"/> Other: _____ .                        |

## DETAILED ACTION

### ***Response to Amendment***

Examiner acknowledges Request for Continued Examination filed 09/21/10.

Examiner acknowledges receipt of amendments/arguments filed 9/21/10. The arguments set forth are addressed herein below. Claims 1-14 remain pending and claims 1 & 8 have been currently amended.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1 & 8 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. No where in the specification or originally filed claims does it explicitly disclose initiating the beginning of the game at a time other than at a time of transmission of the gaming application and **a time selected** by the player(s).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claims 1, 2, 8, 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over NTN Communications Inc 10-K SEC Filing of March 6, 2002 (herein NTN) in view of Junkin (US 6,193,610) in further view of Allen (US 2002/0119824).**

**Claims 1, 2, 8, 12 and 13:** NTN discloses (page 2), 'The NTN Network is North America's largest...interactive television network. [The]...network broadcasts a variety of interactive multi-player sports and trivia games...365 days per year..." (equivalent to applicant's limitation of interactive gaming). NTN further discloses (page 4), "[NTN network]...develop[s] and produce[s] original programming at our facilities...for distribution to our sites...We can provide simultaneous transmission of up to 16 live events for interactive play and a multitude of interactive games and other programs, allowing distribution of different programs to customers in different geographical locations" (equivalent to applicant's limitation of a central broadcast center over a first communications network and a game system residing within the central broadcast center). NTN further discloses (page 4) that they, "...use either satellite or Internet service providers to distribute our programming to our customers" (equivalent to applicant's limitation of having a plurality of users who access the gaming system via the first communications network). NTN discloses (page 3), "The NTN Network features games licensed pursuant to a perpetual non-exclusive license agreement from Buzztime. [They]...generally broadcast premium trivia competitions ...

and live interactive sports-oriented play-along games..." (equivalent to applicant's limitation of providing a plurality of games accessible through the gaming system). NTN then discloses (page 3), "The NTN Network's interactive programming permits players to compete in real-time within each location and to be ranked against players in all locations throughout North America. At the conclusion of each game broadcast, players' scores are calculated and top scores are sent via phone lines to our broadcast center...Within minutes, rankings for each location are tabulated and displayed and rankings and scores for the top locations are transmitted back to all locations via the NTN Network for display" (equivalent to applicant's limitation of a scoring protocol where scoring is provided in real-time back to the gaming system via a second communication network).

NTN also discloses (page 5), "Web servers...used to connect the user to our web sites...[and] Login and registration servers...[that] allow a user to register and/or log in to our web sites" (equivalent to applicant's limitation of submitting user identification). NTN further discloses (page 7) "Countdown", one of their interactive trivia games. Countdown is one of NTN's longest-running trivia games, and it is well known by people familiar with the art, that Countdown uses a time-based scoring component. The game uses 15 questions, each with five possible answers, on a variety of topics. Players can earn up to 1,000 points per question based on how fast they answer; the number of points decrease as time passes. Clues are given to help the player eliminate incorrect choices, with the third clue usually alluding to what the correct answer is. The answer is given once time runs out. A score of 15,000 is considered a "perfect" score.

Furthermore, the method of interactive gaming and method of calculating a time based component disclosed by the applicant merely discloses the steps of the interactive gaming devices operation and since each element must be implemented in order to make the device, the method would have at least been obvious in view of the device.

However, NTN fails to explicitly disclose a bonus score component or different skill levels. Junkin discloses (column 7, 35-39) that, "The player score calculation may provide for the weighting of certain statistics depending on the importance, difficulty or occurrence rate of each statistic. In addition, the player score may be uniquely tailored to accommodate a particular event. Junkin further discloses, (column 11, lines 17-24) that, "...a certain skill factor is involved...The menu...allows the participant to be .involved in different levels of the interactive game. There may be a beginners level, intermediate level and advanced level." The advantage of using bonus scoring and different skill levels, Junkin writes, (column 1, lines 33-44) is, "...increasing the enjoyment of an interactive game...[and] increasing the level of skill and knowledge of a participant..." This is evidence that one of ordinary skill in the art would have reason/motivation/suggestion to use bonus scoring and different skill levels in an interactive television gaming system for the increasing enjoyment, skill level, and knowledge of the participant. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of NTN with the bonus scoring and different skill level components as described by Junkin for the purpose of increasing the enjoyment, skill level, and knowledge of the participant.

In regards to the applicant's amended claim of having the gaming application and plurality of games stored on the set top box or gaming device/receiver, NTN's SEC filing also meets this argument (page 9, last paragraph) in stating that, "...competition within the interactive television space comes from three or four existing game providers that are also seeking to provide games on digital set top boxes, either as single play or networked games... most of these competitors can only offer stand-alone single player games on current set-tops. Thus, a stand-alone game would not require a network, and as such would require that the game and gaming application be located at the receiver—in this case, the set top box. This is evidence that the teaching and motivation for storing games and gaming applications on the set-top existed at the time the invention was made. In this case, the applicant is substituting a known prior art element—that is, storing a plurality of games and a gaming application on a set top box—for another—i.e. NTN's live game broadcast to the set top box, to yield predictable results.

NTN in view of Junkin discloses the above, but excludes having a plurality of games selectable or playable or initiated at a time elected by a user of the gaming application after a time of transmission of the gaming application. NTN's reference teaches a plurality of live games that are broadcast. The NTN reference does not suggest that users cannot play games whenever they choose, and is not limited to live broadcast games via tv. NTN discloses that the trivia games may be played via the internet as part of a gaming application of Yahoo games (pgs. 7-8). However, Allen teaches an interactive system of network gaming system for providing tournaments

comprising different **types of games at multiple sites**. Allen teaches it is well known in the art to have competitions on games between players on the same game at the same time or between players on the same game at different times via a high score system (Abstract, ¶ 2). The system comprises of a network of gaming machines linked to gaming servers. The gaming machines may be configured for different games such as racing, golf, puzzles, and trivia. The tournament network may be provided amongst games of different types or the same type. The gaming machines may range from personal computers to handheld gaming devices (¶17). Types of tournament involve long term tournament over periods of time such as 2 or more days, wherein updates in regards to players' performances are sent to the appropriate tournament servers (¶22). The servers offer to the player a tournament choice, a game choice, a region, the duration of the tournament, the skill level, and other related information. **The tournament includes player rankings and can be a trivia based tournament. It can be a tournament wherein a player has to participate in a certain amount of games within a certain amount of days, wherein if a player falls short the required number of games, the player is subject to a decrease in score or disqualification (¶ 28-33).** This clearly implies allowing a player to play a game application at a time other than transmission e.g. at any time the player desires or chooses within the requirements of the tournament. Allen further discloses trivia question tournaments conducted in real-time, e.g. updates of correct and incorrect answers are updated in real-time. Furthermore, such real-time tournaments can be combined into long term tournaments, wherein the real-time results are compiled overtime with the

overall tournament decisions being based over the entire long term tournament (¶ 51-53). **Allen discloses the use of bonus questions for trivia games and furthermore disclosing updating or replacing games with new games to each of the gaming machines by downloading it via the servers and updating trivia questions (¶64, 68).** This is another indication of downloading or broadcasting a game to a gaming machine and then at anytime playing or initiating the game other than the transmission of the game. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the gaming system of NTN in view of Junkin with the ability to play a game at a player desired time during a tournament or competition as taught by Allen to provide a more user friendly/accommodating system. Such a modification, provides a player with more convenient opportunities to participate in a long term gaming environment e.g. a player is not constricted to the start of a tournament for participation and thus player enjoyment is increased.

**Claims 3 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over NTN in view of Junkin in further view of Allen, and in further view of Crockett et al (US 2004/0039631).**

**Claims 3 and 14:** NTN in view of Junkin in further view of Allen discloses bonus scoring, but does not explicitly disclose the bonus score components. Crocket discloses (pages 3-4, paragraph [0038]), "...[a] weighted score is calculated by multiplying the...weighted score...by the ratio of the...score over the maximum possible...score." The advantage of calculating the bonus score in this way, Crockett

states (page 1, paragraph [0004]), "...enable[s] an organization to attract, retain, and develop desired customers and optimize the value of each of these customer relationships." This is evidence that one of ordinary skill in the art would have reason/motivation/suggestion to use these components in calculating the bonus score in an interactive television gaming system for the purpose of attracting, retaining, and developing customers. Therefore, it would be obvious to anyone of ordinary skill in the art at the time of the invention was made to modify NTN in view of Junkin in further view of Allen with the bonus score component as claimed for the purpose of customer attraction, retention and development, as suggested by Crockett.

As per claim 3 the method of calculating a bonus score component disclosed by the applicant merely discloses the steps of the interactive gaming device's operation, and since each element must be implemented in order to make the device, the method would have been obvious in view of the device.

**Claims 4-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over NTN in view of Junkin in further view of Allen, and further in view of Walker.**

**Claims 4-7:** The method of initiating a game, generating a plurality of questions, initiating a question/answer sequence, and managing the questions, as disclosed by the applicant, merely discloses the steps of performing these functions, and since each element must be implemented in order to make the device, the method would have been obvious in view of the device.

NTN in view of Junkin in further view of Allen fails to explicitly teach in detail a question database and/or a scoring database. NTN also discloses (page 5) that the

game servers, "execute the games and collect user statistics...") and Allen teaches the use tracking scoring statistics (leaderboards), updating trivia questions to the game devices, and real-time updates (see above). Walker teaches (column 10, lines 50-54) that, "Linked to the tournament database would be a database devoted to storing questions and answers, from which trivia tournaments would extract questions." Walker further discloses, (column 12, line 24), "Databases of...scores..." The advantage of using a database, Walker writes (column 10, lines 60-67), is that, "...[the] last database field is especially important given the time and expense associated with creating questions and answers, since the re-use of some questions is almost inevitable. While tournament organizers obviously do not want to have players seeing questions for the second time, they also do not want to throw out a question that only a small percentage of potential tournament participants have seen. Databases provide the best compromise...". The advantage of using a score database, Walker writes (column 12, lines 24-25), is to, "...allow [players]...to check the comparability of their scores." This is evidence that one of ordinary skill in the art would find a reason/motivation/suggestion to use a question database to help eliminate the time and expense of generating questions, to prevent the re-use of question, and to prevent the loss of questions, as well as using a score database to allow players to compare their scores. Therefore, it would be obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of NTN by implementing the question and score databases as described by Walker for the purpose of eliminating the time and expense associated

with generating questions, to prevent the re-use of questions, and to prevent the loss of questions, and to allow players to compare their scores.

**Claims 9-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over NTN in view of Junkin (US 6,193,610) in further view of Allen (US 2002/0119824) in further view of Walker (US 5,779,549), and further view of Weitz (US 2003/0171148).**

**Claim 9:** In regards to NTN in view of Junkin in further view of Allen, specifically NTN discloses (page 3), "The NTN Network features games licensed pursuant to a perpetual non-exclusive license agreement from Buzztime. [They]...generally broadcast premium trivia competitions ... and live interactive sports-oriented play-along games..." (equivalent to applicant's limitation of having a gaming application associated with each of the plurality of games). NTN further discloses (page 4) that, "...[their] facilities are equipped with video, satellite and communications equipment, and...multimedia site server computers" (equivalent to applicant's uplink server). NTN also discloses (page 5), "Game servers...[used] to execute the games..." It's obvious these servers would serve as an uplink server to transmit content from their production studio game servers to the players. NTN however, fails to explicitly disclose any information regarding the question database, a scoring database, as well as any information regarding a real-time update server. NTN also discloses (page 5) that the game servers, "execute the games and collect user statistics..."). In an analogous art, Walker discloses (column 10, lines 50-54) that, "Linked to the tournament database would be a database devoted to storing questions and answers, from which trivia tournaments would extract questions." He

further discloses, (column 12, line 24), "Databases of...scores..." The advantage of using a database, Walker writes (column 10, lines 60-67), is that, "...[the] last database field is especially important given the time and expense associated with creating questions and answers, since the re-use of some questions is almost inevitable. While tournament organizers obviously do not want to have players seeing questions for the second time, they also do not want to throw out a question that only a small percentage of potential tournament participants have seen. Databases provide the best compromise...". The advantage of using a score database, Walker writes (column 12, lines 24-25), is to, "...allow [players]...to check the comparability of their scores." This is evidence that one of ordinary skill in the art would find a reason/motivation/suggestion to use a question database to help eliminate the time and expense of generating questions, to prevent the re-use of question, and to prevent the loss of questions as well as using a score database to allow players to compare their scores. Therefore, it would be obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of NTN in view of Junkin in further view of Allen by implementing the question and score databases as described by Walker for the purpose of eliminating the time and expense associated with generating questions, to prevent the re-use of questions, and to prevent the loss of questions, and to allow players to compare their scores.

Still lacking is the limitation such as the real-time update server where the real-time update server receives and transmits data. However, in an analogous art, Weitz discloses, (paragraph [0011]), "...a plurality of...servers, receiving real-time updates

from the...source, and using the cross-broadcast real-time upload means to choose at least one of the...servers and to upload the real-time updates to the chosen...server(s)..." The advantage of using real-time update servers, Wetiz writes, (paragraph [0007]) is, "...to have real-time online communication between the application running on the set-top box (e.g. a game) and the headend." This is evidence that one of ordinary skill in the art would find a reason/motivation/suggestion to use real-time update servers for real-time communications between the STB and the headend. Therefore, it would be obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of NTN in view of Junkin in further view of Allen when modified by Walker with the real-time update server as described by Weitz for the purpose of providing real-time communication between the STB and the headend.

**Claims 10-11:** Specifically, NTN discloses (page 2-3) that, "Each subscribing hospitality location is furnished with...proprietary equipment, including a customized site server computer, a satellite data-receiving unit, and an average of 14 Playmakers, which players use to enter their game play selections" (this is equivalent to the applicant's limitation of having a user reception device that receives signals from the uplink server). Signals are received via satellite, and as previously mentioned, signals are sent to the broadcast center via phone lines, which meets the applicant's limitation of transmitting signals to the gaming system via a second communications network. NTN's interactive content is distributed to the data receiving unit (applicant's reception device) which has access to the game server (applicant's question database). NTN

further discloses (page 2) that, "Patrons use our hand-held wireless Playmaker devices to interact with trivia and sports games displayed on television screens in the hospitality location," and further discloses (page 2), "The...Playmakers also feature a larger, eight line LCD screen that displays sports scores and other ticker information and enable electronic, text-based chat between patrons" (equivalent to applicant's limitation of having a user input device that receives signals from the reception device and is capable of transmitting signals to the reception device).

***Response to Arguments***

Applicant's arguments filed 9/21/10 have been fully considered but they are not persuasive.

In regards, to the 112 rejection, applicant relies on excerpts out of the specification taken out of context. Paragraph 30 states, that, "the questions and gaming application for playing the trivia game reside in the user's STB" and paragraph 31 states that, "approximately 100 questions per level may be provided to a user periodically." It is unclear as how the applicant can correlate the two statements to indicate that a player can initiate the beginning of the game at a time other than at a time of transmission of the gaming application and a time selected by the player. One can interpret the above to mean that the questions are provided periodically or transmitted to the gaming machine periodically in real-time. Furthermore when considering paragraph 30 in its entirety it states,

"A data flow for a system according to the present invention is shown in Figure 1A. A gaming system 25 includes a question database 12 for use with a game

application 14, such as an application for a trivia game. The gaming system 25 transmits data from the question database 12 and the trivia application 14 to a real-time update server 16. The update server 16 transmits data to an uplink server 18 that relays the data to a satellite 20. The satellite 20 then transmits the data from the question database 12 and/or game application 14 to a user's television STB 22. The questions and gaming application for playing the trivia game reside in the user's STB 22. The user may then interactively review the questions and provide answers via the STB 22. Questions are then asked and answers evaluated from the STB 22. A central broadcast center 10 includes, inter alia, the gaming system 25, the uplink server 18, the real time server 16 and transaction server 24."

The Examiner interprets the above as a sequence of steps e.g. the satellite transmits the data from the question data and/or game application to the user's STB. Now, the questions reside in the user's STB. The player after transmission then can review and answer questions. This is simply stating that a player can review and answer question after the game data is transmitted, but not "other than at the time of the transmission". For example, if the specification indicated that at any time after the question are stored on the STB the player can answer question that would be disclosure for initiating the game at a time other than transmission. However, when reading the above excerpt one skilled in the art would determine it to simply disclose that subsequent to transmission of the game data the player initiates the game.

Furthermore if applicant relies on paragraph 30 at least to disclose initiating a game other at the time of transmission, one skilled in the art would interpret any

reference that teaches transmitting game data via a server and subsequent to transmission initiating a game to read on playing a game other than at the time of transmission because you cannot play a game while it is being transmitted.

Please note that one skilled in the art would interpret any reference that teaches transmitting game data via a server and subsequent to transmission initiating a game to read on playing a game or initiating a game at a time other than at the time of transmission because you cannot play a game while it is being transmitted. **However, for clarification purposes no where is there support for a player actually selecting a time other than that of transmission to initiate a beginning of a game.**

Applicant furthermore argues the limitation initiating the game from the gaming application at a selected time by the user or users other than a time of transmission of the gaming application primarily in regards to NTN and Allen. With respect to NTN, applicant notes that not only is the tournament of NTN held in real-time but being transmitted to various sites at the same time as the game played. **The examiner contends that even through the tournament is held in real time that such a tournament could be over a extended period of time such as a week etc. "Real-time" is not limited to instantly especially since throughout the applicant's specification the game is considered played and updated in "real-time" but argued to be capable of being played at any time (see paragraphs 30-32).** At least in the above regards, the examiner contends that the NTN reference is not incompatible and is fully capable of being modified by to have games playable other than at the time of transmission. Furthermore, as support NTN discloses having the trivia game content

implemented into Yahoo games, as an game application accessible through the internet e.g. this is a clear suggestion of being able to play a game at a time other than transmission of the gaming application (NTN pages 7-8) e.g. NTN is not limited nor does it teach away playing the games in a other formats not simply "live broadcasts". As such, the NTN reference is clearly capable of being modified to incorporate references that teach playing at times other than that at a time of transmission. Even though NTN is intended for live broadcast games does not deem it limited to such games. Furthermore, in regards to the NTN reference not disclosing going back in time and answering questions previously submitted to other participants, the applicant is arguing limitations not claimed.

In regards to Allen, applicant argues that there is no broadcast at all of a gaming application in the gaming devices of Allen. Examiner respectfully disagrees; Allen teaches that at least updates to the games are broadcasted to the gaming machines. Some features include updates to tracks of racing games, courses for golf games, puzzle and trivia data are sent to the amusement game device. Allen further teaches that upon initiating of the tournament customized games are provided to the gaming machines for use in the specific type of defined tournament (paragraphs 31-34, 51). Allen furthermore teaches that a tournament may be based on completing a number of games within a period of time such as days, which clearly implies initiating the gaming application at a time selected by the user other than transmission. At least in this regards the combination of references meet the current limitations.

The examiner has addressed the newly added limitations and Claim 8 does not tie in the limitations of allowing a player to select a time of choosing to initiate the game. Furthermore, applicant is arguing limitations that are not claimed such as simultaneously competing and answer questions previously submitted to other participants.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TRAMAR HARPER whose telephone number is (571)272-6177. The examiner can normally be reached on 7:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on (571) 272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/687,474  
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/Ronald Laneau/  
Primary Examiner  
Art Unit 3714

TH

9/24/10